Remarks

Claims 1-13 remain pending. Claim 13 is currently amended. No new matter is being added.

Claim Rejections--Section 101

Claim 13 was rejected under 35 U.S.C. 101 because "the computer program product is not yet embodied in executable format as a computer component." Applicants have hereby amended claim 13 in accordance with the Examiner's comments in the rejection. Amended claim 13 recites, "A computer-readable medium encoded with a computer program in executable form ...." Therefore, applicants respectfully submit that this objection is now overcome.

Claim Rejections--Section 102

Claims 1-13 were rejected under 35 U.S.C. 102 as being anticipated by Carini (US 5,740,443). This rejection is respectfully traversed.

The claimed invention pertains to "inline **specialization**" (emphasis added). As defined in claim 1, inline which is defined in the claim to mean "if multiple call-chains in the call-graph have a **common** call site, inlining the common call site in one or more of the call-chains, **without** inlining the common call site into **all** of said multiple call-chains having the common call site." (Emphasis added.) As discussed in the specification, "We introduce the concept of inline specialization whereby a call site, that is common to more than one call chain, gets inlined in only some of the call chains. Thus the common call site gets inlined in a specialized manner." (Page 26, lines 3-5.)

In other words, the method of claim 1 does **not** pertain to the **selection** of some call sites for inlining while other call sites are not inlined. Rather, the method of claim 1 pertains to a **common** call site (i.e. a call site is common to multiple call-chains) after it has *already been selected* to be inlined. According to claim 1, the common call site is inlined "in one or more of the call-chains, **without** inlining the

common call site into **all** of said multiple call-chains having the common call site."
(Emphasis added.)

In contrast, Carini does <u>not</u> disclose or suggest any such inline **specialization**.
The cited portions of Carini merely pertains to the automatic **selection** of certain call
sites for inlining (while other call sites are not inlined). For example, col. 9, line 35-
36, of Carini recites "selective automatic inlining" which "is performed during the IPA
backward walk." This clearly refers to the automatic **selection** of certain call sites for
inlining (while other call sites are not inlined).

Carini does <u>not</u> disclose or suggest that a **common** call site is inlined "in one
or more of the call-chains, **without** inlining the common call site into **all** of said
multiple call-chains having the common call site." (Emphasis added.) Therefore,
applicants respectfully submit that claim 1 clearly overcomes this rejection.

Independent claim 7 recites a similar limitation to the limitation discussed
above in relation to claim 1. In particular, claim 7 recites "computer-readable
instructions stored in said memory and configured to inline a **common** call site in
one or more call-chains in a call-graph, **without** inlining the common call site into **all**
call-chains having the common call site." (Emphasis added.) Hence, for at least the
above-discussed reasons, claim 7 also clearly overcomes this rejection.

Independent claim 13 also recites a similar limitation to the limitation
discussed above in relation to claim 1. In particular, claim 13 recites "an inline
specialization feature such that given a call-graph, if multiple call-chains in the call-
graph have a **common** call site, the common call site is inlined in one or more of the
call-chains, **without** having to inline the common call site into **all** of the multiple call-
chains having the common call site." (Emphasis added.) Hence, for at least the
above-discussed reasons, claim 13 also clearly overcomes this rejection.

Claims 2-6 depend from claim 1. Hence, for at least the above-discussed
reasons, claims 2-6 also clearly overcome this rejection.

Claims 8-12 depend from claim 7. Hence, for at least the above-discussed
reasons, claims 8-12 also clearly overcome this rejection.

Conclusion

For the above-discussed reasons, applicant respectfully submits that claims 1-13 are now patentably distinguished over the applied art. Favorable action is respectfully requested.
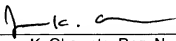
The Examiner is also invited to call the below-referenced attorney to discuss this case.

Respectfully Submitted,

Dhruva Ranjan Chakrabarti, et al.

Dated: May 14, 2008

James K. Okamoto, Reg. No. 40,110
Okamoto & Benedicto LLP
P.O.Box 641330
San Jose, CA 95164-1330
Tel: (408) 436-2111
Fax: (408) 436-2114

CERTIFICATE OF MAILING			
I hereby certify that this correspondence, including the enclosures identified herein, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.			
Signature:			
Typed or Printed Name:	James K. Okamoto	Dated:	5/14/2008
Express Mail Mailing Number (optional):			